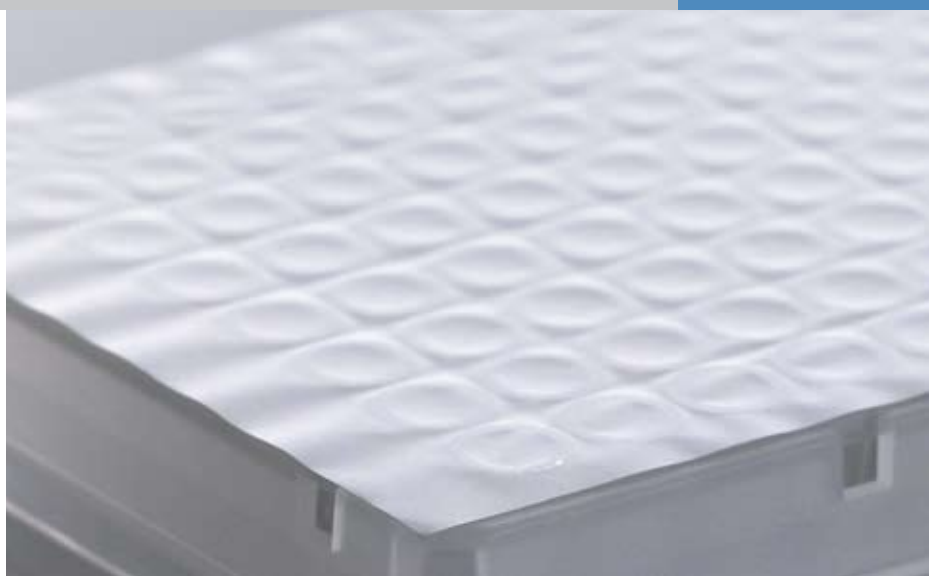


Thermo Scientific Seal-It 100™ Automated Adhesive Sealer

The Thermo Scientific Seal-It 100 automated adhesive sealer is highly robust and reliable and, while designed for optimal robotic integration in high throughput environments, the instrument allows manual, bench top control. A selection of adhesive seals provides flexibility for diverse application needs.



Application Flexibility. The Thermo Scientific Seal-It 100 automated adhesive sealer enables heat-free sealing of crystallography plates and breathable seal application, with additional options for optically clear and pierceable sealing needs. Adhesive seals for PCR, QPCR and crystallography can be removed without leaving sticky residue on the plates and wells. With five plate adapters, seal 96-, 384- and 1536-well plates, including PCR plates and plates with heights from 10 mm to 50 mm.

Operation Options. The Seal-It 100 sealer is equipped with both on-board touch screen operation for bench top use and an RS232 port and included programming parameters for robotic integration.

Accuracy and Efficiency. Sealing pressure may be adjusted for optimal seal integrity and accuracy of +/- 0.25 mm, assuring a quality seal every time. Achieve throughput of 300 plates per hour with minimal user intervention and plan ahead for seal replacement with low level sealing material indicators.

Knowledgeable Support. Our team has a strong reputation for supporting both equipment and consumables, and can demonstrate the Seal-It 100 sealer in your laboratory, as well as determine which seal is best for your application.

Thermo Scientific Seal-It 100 Automated Adhesive Sealer

Dimensions (W x D x H)	23.5"/594 mm x 17.1"/433 mm x 14.6"/370 mm
Weight	61.7 lbs/28 kg
Power Supply	110-220 V AC, 50-60 Hz
Fuse	5 A, anti-surge
Plate Sealing Height	10 mm-50 mm
Sealing Time	Approx. 12 seconds
Operating Temperature Range	15 °C to 40 °C
Operating Humidity Range	10-80%
Air Requirement	60 liters per minute
Air Input	6 mm or 0.25" BSP female thread
Air Input Pressure	6.0 Bar (87 PSI)

Seals

Item No.	Description	Characteristics	Seal Integrity Range	Applications	Approximate No. Plates per Roll
AB-2170	ABsolute™ QPCR Seal Roll	Optically clear, peelable with no sticky residue left on plate	-40 °C to 120 °C	Ideal for fluorescence applications such as QPCR	1900
AB-2450	Adhesive Crystallography Seal Roll	Optically clear, peelable with no sticky residue left on plate	-70 °C to 110 °C	Ideal for crystallography and genotyping	1900
AB-2558	Adhesive PCR Film Roll	Strong adhesive, peelable with no sticky residue left on plate	-20 °C to 120 °C	Suitable for sample storage; thermal cycling with screw-down or clip-down lid	750
AB-2626	Adhesive PCR Foil Roll	Strong adhesive, peelable, able to be pierced with pipette tip	-70 °C to 150 °C	Suitable for sample storage; thermal cycling with screw-down or clip-down lid	1525
AB-2718	Gas Permeable Adhesive Seal Roll	Sterile, other adhesive seals can be applied over it	-30 °C to 120 °C	Well suited for venting and storing bacterial or cell cultures	1150

Ordering Guide

Item No.	Description	Qty
AB-1350	Seal-It 100 Automated Adhesive Sealer	Each
AB-1233	384-Well PCR Plate Carrier	Each
AB-1234	96-Well PCR Plate Carrier	Each
AB-1237	384-Well Storage Plate Carrier	Each
AB-1238	Low Profile Crystallography Plate Carrier	Each
AB-1239	Crystallography Plate Carrier	Each
AB-2170	ABsolute QPCR Seal Roll, 80 mm x 250 m	1 roll
AB-2450	Adhesive Crystallography Seal Roll, 80 mm x 250 m	1 roll
AB-2558	Adhesive PCR Film Roll, 80 mm x 100 m	1 roll
AB-2626	Adhesive PCR Foil Roll, 80 mm x 200 m	1 roll
AB-2718	Gas Permeable Adhesive Seal Roll, 80 mm x 150 m	1 roll

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